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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/719,028	11/24/2003	Masao Nakagawa	031290 9157	
23850 73	590 10/03/2006		EXAMINER	
ARMSTRONG, KRATZ, QUINTOS, HANSON & BROOKS, LLP 1725 K STREET, NW SUITE 1000			GESESSE, TILAHUN	
			ART UNIT	PAPER NUMBER
WASHINGTO	N, DC 20006		2618	

DATE MAILED: 10/03/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary 10/719,028		Application No.	Applicant(s)			
Tilahun B. Gesesses 2618 - The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. Electrication time may be available under the provisions of 37 FR1 1386, in one revin. Provers, may a reply be timely field If NO period for reply is specified above, the maximum statutory printed will apply and will earlier SIX (8) MONTHS from the mailing date of this communication. Failus to reply within the sort oredarded period for rigid, sit, statution, cause the application becomes ABANDORES (SI S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if simply litted, may reduce any seamed patent the mailing date of this communication, even if simply litted, may reduce any seamed patent the mailing date of this communication, even if simply litted, may reduce any seamed patent the mailing date of this communication, even if simply litted, may reduce any seamed patent the mailing date of this communication, even if simply litted, may reduce any seamed patent the mailing date of this communication. Status 1) Pack Responsive to communication(s) filled on 24 November 2003. 2a] This action is FINAL. 2b) This action is non-finat. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 1-4 is/are pending in the application. 4) Claim(s) 1-4 is/are allowed. 5) Claim(s) 1-4 is/are allowed. 6) Claim(s) 1-4 is/are allowed. 6) Claim(s) 1-4 is/are allowed. 7) Claim(s) 1-4 is/are allowed. 8) Claim(s) 1-4 is/are allowed. 10) The drawing(s) filled on 1-1 is/are: all accepted or by the Examiner. 10) The drawing(s) filled on 1-1 is/are: all accepted or by the pri		10/719,028	NAKAGAWA, MASAO			
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Notice of Dransperson's Patent Drawing Review (PTO-948) Taper No(a) Mail Date Information Disclosure Statement(s) (PTO/SB/08) Solution Disclosure Statement(s) (PTO/S	1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08)	Paper No(s)/Mail Da 5) Notice of Informal P	te			

Art Unit: 2618

Specification

The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-4 are rejected under 35 U.S.C. 103(a) as being unpatentable over Weaver Jr. et al (US 6,108,364) in view of Sunthoff (US 200400002346).

Claim 1, Weaver teaches a wideband spread spectrum repeater (see fig.4 and col. 11, lines 51- col.12, line 43 and abstract) comprising:

Weaver teaches a receiver for receiving wideband pulse signals (150 and 170 of fig.4).

Weaver teaches a transmitter for transmitting wide band pulse signals (see 180 and 160 of fig.4).

Weaver teaches a relay controller for transmitting pulse signals, which are received by said receiver, at transmitting timing different from the receiving timing by a pulse unit (see fig.4 and col. 11, lines 51- col.12, line 43 and abstract).

Weaver does not expressly teach ultra wideband signal. However,
Sunthoff teaches ultra wideband relay (see page 7, paragraph 0079 and fig.13).

then, it would have been obvious to an artisan of ordinary skill in the art at the time of the invention was made to use ultra wideband pulse in the system of Weaver, as evidenced by Sunthoff, since ultra wideband signal system have high time domain resolution and better perform in a multi-path environment.

Claim 2, Weaver teaches the relay controller includes a delay unit (156,176) that delays pulse signals received by said receiver (see fig.4 and col. 11, lines 51- col.12, line 43).

Claim 3, Weaver teaches the relay controller deactivates (172 and 152 switches) the receiving feature said receiver the transmitting timing or causes output the receiver not to be supplied the transmitter (see fig.4, and col. 11, lines 51- col.12, line 43).

Claim 4, it is system claim which corresponds to apparatus claim 1, above.

Therefore, it is analyzed and rejected for the same reason as set forth in the claim.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tilahun B Gesesse whose telephone number is 571-272-7879. The examiner can normally be reached on flexible schedule.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward Urban can be reached on 571-272-7899.

The Central FAX Number is 571-273-8300. For patent related

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unless an exception applies.

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correspondence, hand carry deliveries must be made to the Customer Service
Window (now located at the Randolph Building, 401 Dulany Street, Alexandria,
VA 22314), and facsimile transmissions must be sent to the Central FAX number,

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TG

9/25/06

TILAHUN GESESSE PRIMARY EXAMINER